

M.D. DEGREE EXAMINATION

BRANCH VI – PHARMACOLOGY

**PAPER I – GENERAL PHARMACOLOGY, EXPERIMENTAL
PHARMACOLOGY AND BIOASSAY**

Q.P. Code: 202022

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. a) Explain in detail how the pharmacokinetic parameters influence the target concentration strategy.
b) Write a note on TDM.
2. a) What are the different screening methods of antiepileptic drugs?
b) Add a note on Euthanasia in animals.

II. Short notes:

(10 x 5 = 50)

1. Genetic polymorphisms in drug metabolism.
2. Food and drug administration.
3. Merits and Demerits of Bioassay.
4. Meta-analysis.
5. Chi-square test.
6. Novel methods of drug delivery.
7. Therapeutic paradox.
8. Cytokine receptors.
9. Phase III clinical trials.
10. Antibiotic policy.

III. Reasoning Out:

(4 x 5 = 20)

1. Role of plasma proteins in drug disposition.
2. Nanotechnology in Biomedical science.
3. Apoptosis in therapeutics.
4. Membrane transporters in drug resistance.
